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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|----------------------|------------------|
| 09/574,409 | 05/18/2000 | John H. Green | 13498(CA19980001US1) | 7915 |

7590 12/31/2003
Richard L. Catania Esq
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Garden City, NY 11530

EXAMINER

HOANG, PHUONG N

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2126

DATE MAILED: 12/31/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/574,409

Applicant(s)

GREEN ET AL.

Examiner

Phuong N. Hoang

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 - 27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 - 27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 – 6, 8 – 13, 15 – 19, 21 - 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Page, US patent no. 5,812,768 in view of Toutonghi, US patent no. 6,438,744.

As to claims 17, 26, Page teaches a method for interfacing a program on an PAS system to a program in another program environment, comprising the steps of:

Invoking (invoking a IMS transaction, col. 47 lines 1 – 5, and col. 5 lines 45 – 50) the IMS transaction, and dynamically converting data between the EMS transaction and the program in another program environment (dynamic maps, col. 47 line 65 – col. 48 line 15).

Page does not teach using results of said scanning to generate a program interface.

Toutonghi teaches using results of said scanning to generate a program interface (know the description to generate the program interface, col. col. 8 lines 12 – 40).

It would have been obvious to apply the teaching of scanning and using the results to generate the program interface taught by Toutonghi to Page's system

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because it can scan the IMS transaction and dynamically generate the program interface.

As to claim 18 and 27, Page teaches translating (conversion, col. 7 lines 45 - 55) data type of the program in another program environment to data types used in a message to the IMS system, composing the message (message queue, col. 24 lines 60 - 65), reading the message from IMS (read, col. 24 lines 60 - 67).

As to claim 19, Page teaches converting comprises accessing the IMS transaction via the MSSeries (message queue, col. 46 line 1 - 15) message interface.

As to claim 1, 8, 22, Page teaches a method for interfacing a program on an PAS system to a program in another program environment, comprising the steps of:

Invoking (invoking a IMS transaction, col. 47 lines 1 – 5, and col. 5 lines 45 – 50) the IMS transaction, and dynamically converting data between the EMS transaction and the program in another program environment (dynamic maps, col. 47 line 65 – col. 48 line 15).

Page does not teach scanning an IMS transaction with the program on the IMS system, and using results of said scanning to generate a program interface.

Toutonghi teaches scanning a transaction (read type library information, col. 8 lines 12 – 40), and using results of said scanning to generate a program interface (know the description to generate the program interface, col. col. 8 lines 12 – 40).

It would have been obvious to apply the teaching of scanning and using the results to generate the program interface taught by Toutonghi to Page's system

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because it can scan the IMS transaction and dynamically generate the program interface.

As to claim 2 and 9, Page teaches a transaction part (broker, col. 45 - 47) reading (reading before translating, col. 46 lines 61 - 67), and dynamic composing reading (dynamic, col. 47 lines 65 - 67).

As to claim 3, 10, 23, see claim 18 above.

As to claim 4 and 11, see claim 19 above.

As to claim 5 and 12, Page teaches compiling program interface (compiled, col. 13 lines 25 – 45).

As to claim 6 and 13, Page teaches mapping at runtime (col. 47 line 65 – col. 48 lines 15).

As to claim 21, this is software claim of claim 1.

As to claim 15, and 24, see claim 1 above accept for dynamically generating the program interface.

As to claim 16 and 25, Page modified by Toutonghi teaches instruction means for using said data description (Toutonghi, know the description based on the type library information, col. 8 lines 15 – 40) to generate code (generate program interface) to process message elements of said IMS transaction (Page, IMS transaction, col. 5 lines 45 – 55) for use with the program in another language environment (c, c++).

Claims 7, 14, 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Page, US patent no. 5,812,768 in view of Toutonghi, US patent no. 6,438,744, and further in view of the "Official Notice".

As to claim 7, 14, 20, Page and Toutonghi do not teach converting the data by code pages. "Official Notice" is taken that converting the data by code pages is well-known and expected in the art. It would have been obvious to combine converting the data by code pages with Page and Toutonghi because it would provide converting data in an organized way.

Response to Arguments

Applicant's arguments filed on 10/21/03 have been considered but are moot in view of the new ground(s) of rejection.

Page used for main reference but not used for dynamically generating the program interface. Toutonghi used for scanning and using the result to generate the program interface.

Conclusion

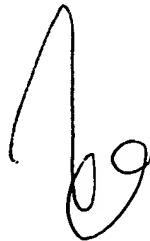
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong N. Hoang whose telephone number is (703) 605-4239. The examiner can normally be reached on Monday - Friday 9:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (703)305-9678. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)746-7140.

Ph

December 24, 2003

A handwritten signature in black ink, appearing to be 'JF', is positioned between the date and the printed name.

**JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100**